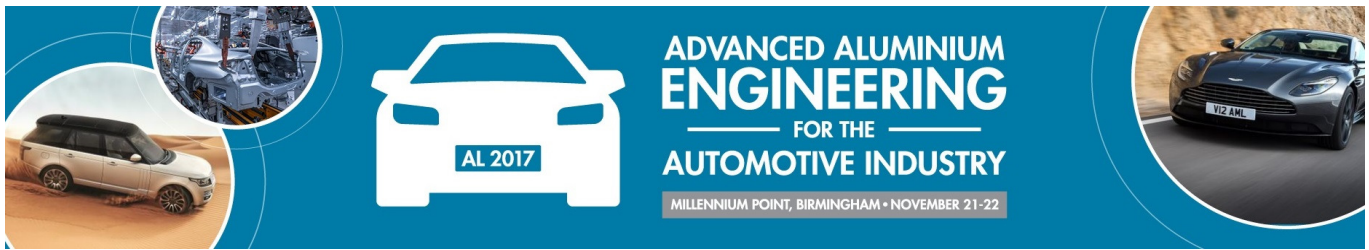


ADVANCED ALUMINIUM ENGINEERING FOR THE AUTOMOTIVE INDUSTRY

MILLENNIUM POINT, BIRMINGHAM • NOVEMBER 21-22

Day One	21 November 2017	
Time	Session/Theme/Title	
09.00 - 09.30	Coffee & Registration	
09:30 - 09:35	Welcome from President	
09:35 - 09:55	Keynote Address, Prof David Bailey, Aston Business School	Reshoring and other opportunities for the UK Automotive Industry
Session 1: Alloy Development		
09:55 - 10:15	Prof. Geoff Scamans, BCAST (Brunel)	Alloys of the future
10.15 - 10.35	Alexis Skubich, Constellium Switzerland AG	Innovative alloys for remote laser welding and resistance spot welding
10:35 - 10:55	Henry Van, CRU	The growth in global demand for automotive aluminium
10:55 - 11:05	Panel Q&A	
11.05 - 11.20	Coffee Break	
Session 2: Alloy Development Recycling		
11.20 - 11.40	Patrik Ragnarsson, European Aluminium	How aluminium fits into "end-of-life" recycling
11.40 - 12.00	Steven Summers, Milver Metal Company	Aluminium recycling for automotive casting
12.00 - 12.20	Dr. Martin Lawrence and Petr Tlamicha, Air Products plc	Minimising furnace emissions and maximising production
12.20 - 12.40	Rob Morello, ALTEK	Electric Stirring - the key to efficient recycling?
12.40 - 12.50	Panel Q&A	
12.50 - 13.35	Lunch	
Session 3: Castings		
13.35 - 13.55	Peter Radcliffe & Paul Dodd, CastAlum	Squeeze casting - the best of all worlds?
13.55 - 14.15	Mike Bond, Aeromet	Migrating aerospace casting technology to automotive
14.15 - 14.35	Jack Taylor, Cast Metal Composites	Aluminium Matrix Composites: As stiff and strong as steel, as light as aluminium
14.35 - 14.45	Panel Q&A	
14.45 - 15.00	Coffee Break	
Session 4: Aluminium Processing		
15.00 - 15.20	Ms. Vicki Wilkes, Phoenix Materials Testing	Physical testing of aluminium
15.20 - 15.40	Alan Cooper, Westmoreland Laboratories	Lifetime testing
15.40 - 16.00	Ian Perks, Alloy Heat Treatment	Adding value through heat treatment
16.00 - 16.10	Panel Q&A	
16.10 - 16.25	Closing Remarks & Finish	
19.00 - 00.00	Evening Dinner, The Banqueting Suite, Birmingham Council House	



Day Two		22 November 2017
Time	Session/Theme/Title	
09.00 - 09.30	Coffee & Registration	
09:30 - 09:35	Welcome	
09.35 - 09.55	Keynote Address, Peter Parkes, SDF Automotive	Our learning curve with forging aluminium
Session 5: Sheet Forming		
09.55 - 10.15	Elangovan Parameswaran, Advanced Forming Research Centre	Sheet metal forming
10.15 - 10.35	Dr. Federico Melotti, Impression Technologies	High precision forming with the HFQ® Process
10.35 - 10.55	Jean-Charles Boutin, BMAX	Pulse Welding Applications
10.55 - 11.05	Panel Q&A	
11.05 - 11.20	Coffee Break	
Session 6: Durability		
11.20 - 11.40	Peter Watts, United Anodisers	Mitigating the effects of galvanic corrosion
11.40 - 12.00	Julian Hodgetts, Chemetall Ltd	Pre-treatment of aluminium for bonding and welding
12.00 - 12.20	Matt Walters, Jaguar Land Rover	Corrosion Strategy
12.20 - 12.30	Panel Q&A	
12.30 - 13.15	Lunch	
Session 7: Extrusion		
13.15 - 13.35	Mark Thompson, IPG Photonics	Laser welding aluminium
13.35 - 13.55	Jonas Bjuhr, Hydro Extruded Solutions	New applications for Automotive extrusions
13.55 - 14.15	Dr. Nikolay Biba, Micas Simulations	Computer modelling for 7xxx series alloys
14.15 - 14.25	Panel Q&A	
14.25 - 14.40	Coffee Break	
Session 8: Joining: Bonding & Welding		
14.40 - 15.00	Ewen Keller, The Welding Institute	The challenges of bonding aluminium - especially for mixed material structures
15.00 - 15.20	James Grant & Nicholas Welton, Powdertech	How do you assemble a low cost, lightweight chassis for a 1200bhp Ariel Hipercar?
15.20 - 15.40	Sullivan Smith, The Welding Institute	State-of-the-art thermal and mechanical joining technologies for aluminium in automotive manufacture
15.40 - 16.00	Jörg Simon, Novelis Automotive Europe	Innovative alloys for remote laser welding and resistance spot welding
16.00 - 16.15	Panel Q&A	
16.15 - 16.30	Closing Remarks & Finish	